

The people

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Others?

The Work to do: Currently many design issues unresolved.

Database Group tasks

Priority key:

- 1 - This needs to be done immediately.
- 2 - This also needs to be done immediately, but it is not as important as 1
- 3 - Can give this some time.

D1 Level 1 Event Database

Priority	Task	Person	Due
DBMS unresolved issues			
2	Optimize index for searching – the previous test did not seem to exercise search index		
Cluster Software			
	System Software		
1	Cluster "glue" Beowulf/ other?		
3	OS management software?		
2	Maintenance / Monitoring Software		
	Database Software		
1	Parallelization Code - MPI, PVM, other? - > C		
2	Search Code		
2	Search Queue		
1	SQL - faux SQL - no SQL		
3	on disk, FITS files with cfitsio?		
2	hold data in memory?		

2	communication with U1?		
2	Do we need to add direction cosines to data?		
Cluster Hardware			
	Processors		
3	Number of processors (nodes)		
3	Number /per year added) plan		
3	Separate recent 6 months server?		
2	Networking strategy?		
3	How many clusters? (2 - for photon and event DBs? Hot swap cluster?		
	Disks		
1	ATA/SCSI/ Other?		
3	How many disks		
2	disk failure recovery strategy - RAID, redundancy?		
2	if RAID: what level, striping pattern? RAID performance?		
	Issues regarding Mirror sites		
1	Will remote sites adopt our solution? - are there special requirements?		
3	How to ensure DBs are synchronized? (e.g., FITS file names, size, chksums list)		

D2 Pointing, Livetime and Mode history Database

1-2-2

Priority	Task	Person	Due
1	Do we need a pixelization scheme - if so which one?		
2	Any reason not to use MySQL (haven't heard any yet.)		
2	Geomagnetic coordinates?		

D6 Other Catalog

Priority	Task	Person	Due
1	What Catalogs?		
2	What Format – can we stick into a DBMS?		
2	How searched?		

U1 Level 1 data extraction utility

Priority	Task	Person	Due
2	Communication method with client tools (client server architecture)		
1	Communication with database?		
2	where does SQL enter system ? (if at all)		
2	Pulsar phase tools may want to add phase to data - how?		

U2 Level 1 Data Subselector

Priority	Task	Person	Due
2	Shall we base this on CCfits?		

U3 Pointing Livetime History Extractor

Priority	Task	Person	Due
1	client server architecture?		
2	Talking to database (Perl DBI? JDBC, Python equivalent?)		

U9 Catalog Access

Priority	Task	Person	Due
1	client server architecture?		
2	Talking to database (including net search of NED?)		